



Ramsbottom Urban District Council.



Annual Reports

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Medical Officer of Health

A N D

Sanitary Inspector.

1906

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Ramsbottom Urban District Council.

ANNUAL REPORT

OF

Medical Officer of Health for 1906.

*To the Chairman and Members of the
Ramsbottom Urban District Council.*

GENTLEMEN,

I have much pleasure in presenting my 22nd Annual Report for the year ended December 31st, 1906, detailing, in accordance with the requirements of the Local Government Board, the mortality of the past year, the birth rate, an estimate of the diseases in the district, and a summary of the action taken during the year for the prevention of the spreading of infectious diseases.

Last year the population was estimated to be 16,200, and these figures are again taken for the present report.

Calculated on a population of 16,200, the death rate for the past year is 14.26 per 1000. The number of deaths recorded being 231; Males 123, Females 108; a decrease of 12 on the previous year. This number includes the deaths of 11 persons who have died in the Union Workhouse; 3 Florence Nightingale Hospital; 1 Royal Infirmary, Manchester, and 1 Blackpool.

The birth rate for the same period is 17.6 per 1000; 285 children having been born. Males 145, Females 140.

With regard to longevity 29 deaths occurred in persons over 75 years of age, 16 over 80 years, 4 over 85 years, and 1 over 90 years. The deaths from zymotic diseases are double those of last year.

In the quarter ending March 31st, the death rate was .679 Central Ward; 3 Measles, 1 Enteric Fever, 1 Diarrhœa. West Ward; 2 Measles, 1 Diphtheria. East Ward; 2 Measles. Workhouse, 1 Diarrhœa. Quarter ending June 30th, the death rate was .370—Central Ward; 1 Diphtheria, 1 Scarlet Fever. West Ward; 1 Diarrhœa. Hospital, 2 Scarlet Fever, 1 Enteric Fever. Quarter ending September 30th, the death rate was .247—Central Ward; 3 Diarrhœa. North Ward; 1 Diarrhœa. Quarter ending December 31st, the death rate was .432—Central Ward; 2 Diphtheria, 3 Diarrhœa. West Ward; 1 Measles. North Ward; 1 Measles.

Table II shows the different ages at which the deaths occurred within the preceding eight years.

	1898	1899	1900	1901	1902	1903	1904	1905	1906
Deaths under 1 year.....	48	61	46	48	40	41	36	35	36
„ over 1 year and under 5	28	38	27	15	23	15	20	15	28
„ 5 „	15	9	5	7	12	10	11	12	3
„ 15 „	25	12	10	13	9	16	14	7	7
„ 25 „	60	71	94	57	85	80	74	82	66
„ 60 years.....	70	87	102	111	84	75	86	92	91
Deaths under 5 years . . .	76	99	73	63	63	56	56	50	64
Deaths over 5 years	153	179	211	188	190	181	185	193	167
	229	278	284	251	253	237	241	243	231

Table III gives (a) area, (b) population, (c) total number of deaths, (d) deaths from principal zymotic diseases, (e) births for the year.

	Central Ward	North Ward	East Ward	West Ward	Entire District
Area in Acres.....	290	2609	1112	2314	6325
Population estimated 1906	5000	3000	3848	4352	16200
Deaths in year (outside district 16)	67	44	46	58	231
Deaths from zymotic diseases	15	2	2	5	28
Death rate from above diseases p'r 1000	.926	.123	.123	.308	1.728
Births for the year	71	47	75	92	285

{ 1 person usually residing in West Ward, died at Blackpool, so that total for West Ward is 59).

Workhouse 1, Hospital 3.

Table IV shows the comparison of deaths from infectious diseases and other causes during the past 10 years.

	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906
Smallpox
Measles
Scarlet Fever
Diphtheria
Whooping Cough
Typhus Fever
Enteric Fever
Erysipelas
Diarrhoea and Dysentery
Total Infectious Diseases
Other Causes

The death rate from zymotic diseases was in the first quarter .679, in the second quarter .370, in the third quarter .247, and the last quarter .432.

9 MEASLES. 3 Central Ward; 1 February, 2 years, 2 March, 12 months, and 8 years; 3 West Ward, 1 February, 21 days, 1 March, 7 months, 1 November, 17 months. 2 East Ward, both March, 16 months and 13 months. 1 North Ward, December, 16 months.

3 SCARLET FEVER. 1 Central Ward, May, 18 months. 2 in Hospital, 1 May, 5 years, 1 June 4 years.

4 DIPHTHERIA. 3 Central Ward, 1 June, 17 months; 1 November, 5 years; 1 December, 4 years. 1 West Ward, March, 2 yrs 2 ENTERIC. 1 Central Ward, February, 51 years. 1 Hospital, May, 47 years

10 Diarrhoea. 7 Central Ward, 1 March, 2 months, 1 May, 80 years, 2 September, 3 months and 4 months, 2 October, 64 years and 6 months, 1 November, 2 months 1 West Ward, June, 5 months. 1 North Ward, August, 11 months; 1 Union Workhouse, January, 71 years

Table V shows the causes of, and ages at death, during the year 1906.

Causes of Death.	Deaths in or belonging to whole District at subjoined ages.				Deaths in or belonging to Localities at all ages.						F. N. Hospt
	All ages	Under 1 year	1 and 5 under 5	15 and 25 under 25	65 and upwards	Central Ward	West Ward	East Ward	North Ward	Bury Union & Man. Hos.	
Measles	9	2	6	1	3	3	3	2	1		2
Scarlet Fever	3		2	1		1					
Diphtheria and membranous croup	4		3	1							
Enteric Fever	2			2		3	1				1
Diarrhœa	10	7		2	1	7	1		1	1	
Enteritis	1		1					1			
Other septic diseases ..	1			1		1					
Phthisis (Pulmonary Tuberculosis) ..	11		1	2	1	2	4	2	3		
Other Tubercular diseases	1	1						1			
Cancer	15			10	5	2	5	3	5		
Bronchitis	11	1		2	8	2	3	5	1		
Pneumonia	26	5		12	4	7	5	7	7		
Other diseases of Respiratory Organs ..	7	4	1	2	2	2	3	2			
Alcoholism	2			2		1		1			
Cirrhosis of Liver ..											
Venereal diseases ..	1	1							1		
Immature birth	4	4				2	2				
Diseases and Accidents parturition	2			2				1	1		
Heart diseases	15			9	6	4	5	3	3		
Accidents	9	2		1	1	3	4	1	1		
Suicides	1			1				1			
Tetanus	1	1							1		
All other Causes	95	11	6	3	49	27	22	16	19	11	
All causes	231	36	28	3	75	67	59	46	44	12	3

In regard to the mortality of children under one year, there is an increase of 1 as compared with the number recorded last year. The rate is 15.58 per cent. of the entire number of deaths and 12.6 on the number born.

The deaths of 9 children under one year are the result of infectious diseases—Diarrhœa 7, Measles 2. The number of deaths under 5 years of age is 64, this being 14 more than last year.

In regard to Scarlet Fever I have to report 3 deaths; 1 Central Ward, 2 Florence Nightingale Hospital; there is also an increase of 4 cases as compared with last year. Seven cases were removed to the Joint Hospital at Bury. The cases occurred in the different wards as follows: Central 7, West 5, East 3, North 2.

From Enteric Fever 2 deaths have resulted, 1 Central Ward, and 1 in Hospital. 10 cases have been notified, and 5 of these were removed to the Joint Isolation Hospital. The cases occurred in the Wards as follows—Central 5, West 3, East 2, North 0.

Four deaths have occurred from Diphtheria; 3 in Central Ward, 1 West Ward; also 9 from Measles, 3 Central Ward, 3 West Ward, 2 East Ward, 1 North Ward.

Diarrhœa has been the cause of 10 deaths, 7 occurred in Central Ward, 1 in West Ward, 1 in North Ward, and 1 in Bury Union Workhouse. Particulars of ages, etc. are given in table IV

A severe epidemic of Measles occurred in the district during February and March. The infant departments at St. Paul's School and St. Andrew's School, were closed for two weeks in February. In March as the epidemic became more general throughout the district, all the day schools with the exception of Edenfield and Rowlands were closed from the 6th to the 26th. The epidemic extended to Edenfield at the latter part of May, and the day school was closed on account of the outbreak. All the schools were thoroughly disinfected before being re-opened.

With regard to the precautions taken for the prevention of the spreading of infectious disease, a careful supervision has been exercised by the Inspector, and the houses in which cases have occurred, have been sprayed and fumigated with Formaldehyde. In cases of Enteric Fever, pails and disinfectants are provided; the contents of the pails are disinfected previously to being buried

From non-infectious diseases 203 deaths have resulted; 11 are due to Phthisis, being 15 less than last year. This is a death rate for this disease of .68 per 1000, and 4.76 per cent. of the entire number of deaths. Out of the 11 cases, 7 were males and 4 females, the ages varying from 18 months to 68 years; 4 were under 30 years, and 7 were in ages varying from 34 to 68 years. As regards occupation 3 were housekeepers, 3 Cotton operatives, 2 Stone Masons, 1 Stone Quarrier, 1 Farmer, 1 child 18 months

From respiratory diseases 44 deaths have occurred, being a decrease of 6 on the previous year; and giving a death rate of 2.71 per 1000 of the population, and 19.04 per cent. of the entire number of deaths; of these, 16 were children under 5 years of age and 28 persons over that age.

The deaths from heart disease number 15, being .92 per 1000 of the population, and 6.5 per cent. of the entire number of deaths. A decrease of 17 deaths as compared with last year.

From other causes, including 10 accidents, 133 deaths have occurred.

Street and Road Improvements.

During the past twelve months, although the local industries have been particularly brisk, very little building has been done. The new houses erected number 8, but in 41 cases, additions and sanitary alterations have been carried out, to various mills and dwelling houses. Some of the mill extensions have been on a considerable scale, as for instance, those at the premises of Messrs Barlow & Sons, Edenfield; Messrs. Turnbull & Stockdale, Ltd. and Messrs. The Helmshore Manufacturing Company Ltd.

A Public Mortuary has been constructed by the District Council, on a site well situated in the centre of the town. The building is compactly arranged and is lined with white glazed bricks, the ceiling, floor and fittings are constructed with materials impervious to moisture. A long felt want has been supplied by the provision of this mortuary, and although the building has been completed only four months, its services have been already requisitioned on three occasions for the purpose of post-mortem examinations.

Although considerable work has been carried out in connection with the repaving and reconstruction of various lengths of Main Road, no private street paving work has been executed during the past year.

There are many streets however both back and front which are anything but in a satisfactory condition, and it is to be hoped that the Council will take up the question of private street paving on a more extensive scale, so that the approaches to the dwelling houses may be rendered more cleanly.

Improvements have been continued in connection with the roads running into Summerseat Village, and there will soon be little to complain of in respect to these roads which have for years been in a wretched and insanitary condition.

DRAINAGE AND SEWERS.

The effluent from the Sewage Works at Summerseat, has been maintained at a very high standard during the twelve months, and the land is proving itself to be of excellent quality for purification purposes.

The great bulk of the Main Drainage Scheme has now been completed, and during the year a length of 1137 yards of subsidiary sewers has been laid thus coupling up additional houses to the drainage system.

Certain portions of Holcombe were in previous years found to be situated at such a low lying level, that the sewage could not be drained into the sewer laid in the main road. A new sewer has been constructed to overcome the difficulty, and it extends from Holcombe Village and joins the trunk sewer in Dundee Lane, near Woodside. A length of sewer has also been laid in Springwood Street, to intercept the drainage from a number of houses in the vicinity of Julia Street, and further extensions of the sewage system have been carried out to deal with the property in Peel Brow and also at Summerseat.

SCAVENGING.

The scavenging of the district has been carried out satisfactorily. The continued improvement of the roads in some of the outlying districts has, as previously mentioned, given great satisfaction to the public.

REFUSE DISPOSAL.

The present method of refuse disposal is by means of tip, several of them being open in the district. They are fairly well removed from dwellings and there are very few complaints of nuisances received in respect of them.

WATER SUPPLY.

In regard to the water supply of the district, a visit to the various water sheds convinces one that when the works are completed at Dearden Brook, Edenfield; and Ogden, Haslingden Grane; there will be an abundance of good water for the Joint Board area.

During the year several new water mains have been laid in Summerseat District, the particulars are as follows :—

6" Main from Longsight Road to Summerseat	2389 yds
4" Main from Railway Street to Robin Road	866 yds
4" Main at Wood Road	592 yds
	<hr/>
	3847 yds

As a result of this work, a number of houses have been connected, the total being in Summerseat, 61 houses, 1 bath, 1 water closet. The total number in the whole district, connected to the Joint Board's supply is 73 houses, 10 baths, 21 water closets.

COMMON LODGING HOUSE—We have only one registered Common Lodging House, and as in previous years, the place has been regularly visited. The limewashing and cleansing are carried out at the stated times, and the place has always been found satisfactory.

DAIRIES AND COWSHEDS—The number of Cowsheds on the register is the same as last year viz :-78. They are as a rule kept in a good condition. In one or two instances however, occupiers have had to be cautioned for neglecting to limewash, and for the keeping of swine in cowsheds.

FACTORY AND WORKSHOPS ACT, 1901—As required by the above Act, I submit a few remarks dealing with the places registered. There are 86 on the books, being a decrease of 1 on last year. 15 of these are bakehouses. The places are visited periodically, and are generally found in fair condition. No notices have been served during the year upon occupiers of workshops or bakehouses. With reference to Factories two notices have been served, and in each case the work required to be done has been carried out. Several other improvements were carried out in connection with sanitary conveniences at Factories.

HOMEWORK.—We receive lists from one firm only—viz : Messrs. Porritt Bro. & Austin. These are sent in twice a year as required by the Act. The houses in which the work is carried on were inspected and found to be satisfactory.

The annexed report compiled by the Inspector shows the number of sanitary improvements effected in connection with dwellings, factories, etc.

I regret that this year I have to record an increased death rate from zymotic diseases. The epidemic of Measles in the early part of the year which necessitated the closing of the schools for considerable periods, caused 9 deaths. At the same time it is very satisfactory to note that the deaths from Chest and Heart Diseases are greatly diminished ; whilst the number of deaths from Phthisis is reduced by 15 as compared with last year.

Gentlemen, in presenting this report to you, I wish to express my thanks for the courtesy which you have always extended to me. I also desire to acknowledge the material assistance which has been rendered to me by my fellow officials.

I am, Gentlemen, yours respectfully,

WILLIAM DEANS, M. B.

MEDICAL OFFICER OF HEALTH.

SANITARY INSPECTOR'S ANNUAL REPORT FOR 1906.

*To the Chairman and Members of the Ramsbottom
Urban District Council.*

GENTLEMEN,

I have pleasure in submitting for your consideration my Fifth Annual Report, giving you particulars of the Sanitary work which has been carried out during the year ended December 31st, 1906.

CLEANSING DEPARTMENT.—As in previous years, all the work in connection with this Department is done by your own horses and staff, with the exception of North Ward.

This Ward is still let by contract, and so long as the work is efficiently and satisfactorily carried out by the Contractor, perhaps it is not advisable to alter the arrangement, the district being very scattered and a long distance from the depot.

The sanitary conveniences are chiefly on the pail system, though in common with other parts of the district, there are a number of privy middens and cesspools.

Seven written notices have been received from occupiers in North Ward, and 18 have been sent to the Contractor.

Central, West and East Wards have been fairly well attended to, and from these Wards 55 written applications have been received from occupiers.

Offal and garbage from Slaughterhouses, Tripe-boilers, Greengrocers, &c. are collected twice per week by your own staff, the cost of such removal being charged to the occupiers of such places. During the year about 220 loads of offal have been removed and also about 100 loads of refuse from the Market Place.

DISPOSAL OF REFUSE.—The disposal of refuse is by means of tips, six being open in the district.

The excreta from the cesspools and wet pails is generally emptied into tanks formed with earth sides and eventually transferred to the land.

In one or two instances during the year carters have had to be cautioned against discharging the contents of the barrel on land too near footpaths.

In Summerseat the matter is now discharged at the Sewage Works, and treated with the ordinary sewage.

So far as the tips are concerned, we endeavour to keep the surfaces as clean as possible, but there are periods during the summer months, when unpleasant odours arise from the matters desposited. The tips however, are fairly well removed from dwelling houses.

The following table shows the amount of House Refuse removed monthly from the District :

	Ashpits.	Loads.	Dry Pails.	Wet Pails.	Cesspools.	Barrels.
January	327	402	1898	3316	19	71
February	283	350	1724	2716	46	76
March	504	586	2207	3429	24	84
April	368	453	1915	3084	40	82
May	533	551	2111	2880	36	79
June	409	445	2002	3384	18	76
July	284	325	1750	2484	8	50
August	366	380	2150	2893	54	85
September.....	359	383	1888	2836	2	58
October	437	459	2068	3436	35	85
November.....	357	454	2375	3545	38	85
December	206	279	1824	2236	9	52
Total ..	4433	5077	23912	36239	329	883
1905	4103	4619	21039	34373	307	856
Increase	330	458	2873	1866	22	27
Decrease.. .. .						

Table showing where House Refuse has been deposited each month.

	Cemetery.	Dearden Clough.	Shipper- bottom.	Ewood- Bridge.	Foulcotes.	Miller St.	Others.
January	178	82	44	24	18	32	24
February...	145	31	54	26	22	35	37
March	287	105	73	30	31	44	16
April	216	92	52	21	10	36	26
May	323	67	73	7	26	49	6
June	197	98	48	22	13	39	28
July	187	55	26	3	13	39	2
August	192	53	37	19	19	47	13
September	176	61	60	21	29	36	10
October	198	113	63	16	28	39	2
November	209	73	67	20	21	46	18
December	131	32	24	12	33	37	10
Total ...	2439	862	621	221	263	479	192
1905	2212	749	629	232	189	457	151
Increase	227	113	8		74	22	41
Decrease..... ..				11			

The following is a summary of the work which has been carried out:—

Privies constructed or repaired	...	...	...	...	1
Privy Middens abolished	...	...	...	...	39
Water Closets substituted	...	...	...	...	62
Pail do. do.	...	...	...	...	8
Ashpits reconstructed or repaired	...	...	...	...	4
Ashpits abolished	...	...	...	...	1
Dust Bins provided	...	...	...	...	42
Privy Cesspools abolished	...	...	...	...	19
Water Closets substituted	...	...	...	...	40
Water Closets additional	...	...	...	...	4
Pail Closet abolished (w.c's. substituted)	...	...	...	...	1
Additional Pail Closets	...	...	...	...	22
Closets re-built or repaired	...	...	...	...	33
Defective wet pails replaced	...	...	...	...	7
Defective Waste Water Closets repaired	...	...	...	...	3
House Drains re-laid	...	...	...	...	80
do. do. cleansed and repaired	...	...	...	...	12
Stone Drains abolished	...	...	...	...	6
Houses connected to new sewers	...	...	...	about	90
Eaves troughs repaired	...	...	...	...	5
R.W.P's repaired and replaced	...	...	...	...	2
Slopstone Pipes trapped or repaired	...	...	...	...	5
Waste Water Closets drains cleared	...	...	...	...	238
New gullies provided	...	...	...	...	10
"Bell" traps taken out	...	...	...	...	2
Houses cleansed and limewashed	...	...	...	...	4
Common passages cleansed	...	...	...	...	2
Urinals provided (private)	...	...	...	...	3
Closet doors fixed	...	...	...	...	2
Accumulation of ashes removed	...	...	...	...	4
Animals improperly kept	...	...	...	...	4
Fowls improperly kept	...	...	...	...	2
Offensive accumulations removed	...	...	...	...	2
Schools disinfected	...	...	...	...	14

Slaughterhouses (1 defective drain and 1 defective floor)	2
Cowshed limewashed	1
Unsound food destroyed: 3 boxes herrings and 24 stomachs from tripe dresser.	
Nuisances reported to Committee in connection with 201 dwellings, 13 Factories and 6 Farms ...	71
Letters written in relation to nuisances	167
Preliminary notices served	18
Legal do. do.	43
Legal proceedings taken	2

From the foregoing summary it will be noticed that the abolition of privy middens and cesspools still continues.

As last year over 100 Water Closets and Waste Water Closets have been adopted in place of Middens, &c., the proportion of the former however is very small. This is perhaps somewhat unfortunate, as Waste Water Closets can hardly be regarded as sanitary as the first named, because of the fact that there is a great amount of surface liable to polluted. There is also the increased liability of blockages through misuse, all kinds of articles being thrown down the pedestal.

Over 200 blocked closets have been attended to during the year.

The condition arises chiefly in places where the closets and passages are used in common by the occupants of two or more houses, and as a result there is a great difficulty in ascertaining the responsible party.

Handbills have as usual been posted in these places with respect to cleansing, &c., of the passages; handbills were also distributed throughout the district during the summer, cautioning the occupiers against the practice of depositing animal and vegetable refuse into the ashpits.

STREET CLEANSING :—During the year the streets have been regularly swept, this work now being chiefly done by the machine brushes, the roads on account of re-construction being much more favourable to mechanical sweeping than formerly.

The streets have also been watered when necessary, and the gullies cleansed.

During the year about 930 loads of sweepings and gratings have been taken from the streets.

PUBLIC URINALS :—The Urinals are now regularly scrubbed down and disinfected ; only one of them, however, is provided with proper flushing apparatus.

The condition of Stubbins Lane Urinal was reported to the Health Committee during the year, a plan for a new Urinal was prepared and submitted by the Surveyor. If this is carried out it will be a great improvement on the present accomodation, as the one now in existence is very unsatisfactory.

SMOKE :—Eight smoke observations have been taken during the year and in four instances the limit of 12 minutes was exceeded. In three of these cases statutory notice was served, in the remaining case the Manager explained that a larger boiler was about to be substituted, and this was eventually carried out.

Additional boiler capacity was also provided at a mill under notice.

As stated last year I am of opinion that the time allowed per hour for the emission of black is too long, and probably it would be advantageous if the time was slightly reduced.

This has recently been done by a neighbouring Authority, the time being reduced from 10 minutes to 8 minutes. I think a great amount of black smoke could be avoided by careful firing.

SLAUGHTER-HOUSES :—There are 17 Slaughter-houses in the district. They are periodically visited and generally speaking have been found to be in fair condition, though limewashing is sometimes apt to be neglected.

Statutory notice has been served in one instance, owing to defective drainage, and insufficient attention to the emptying of the cesspool in connection with the place, this at various times emitted very offensive odours. It is now having better attention.

FACTORY AND WORKSHOPS :—There are 86 names on the Workshops Register. Three fresh places have been added, but four have been cancelled, so that there is a decrease of one. The places are regularly visited.

Two notices have been served in relation to Factories ; and three notices have been received from H.M. Inspector of Factories drawing attention to defects in such places. The following work has been carried out :—

1. Two Wooden Pail Closets abolished ; 5 New Closets erected on the w.c. system, and a new Urinal provided.
2. Defective Pails replaced, doors fixed over apertures behind closets, and passages limewashed.
3. New Pail Closet erected.
4. Four additional Water Closets, and three Pail Closets provided.
5. Tower Cesspool Closets abolished, 3 w.c's substituted.
6. Internal doors fixed to closets used by females.

COMMON LODGING HOUSE.—There is only one registered Common Lodging House in the district, and this has been visited on many occasions by your Medical Officer of Health and Inspector. The condition has been found most satisfactory on each occasion, the occupier evidently doing his utmost to keep the place in a sanitary condition. The lime-washing is carried out regularly.

DAIRIES AND COWSHEDS.—The number of persons on the register is same as last year, viz :—78.

One notice was served under the “Dairies and Cowsheds Order” for the removal of swine, and also for the keeping of a horse in the cowshed, in addition to the required number of cows. In one or two instances farmers have been asked to pay more attention to limewashing and general cleanliness. One farmer was cautioned against the practice of keeping swine in the cowshed, and he promised to have them removed as early as possible.

PROVISIONS.—The provisions exposed for sale have attracted attention.

Three boxes of herrings were condemned and destroyed, the Tradesmen calling attention to their condition.

A quantity of bellies consigned to a tripe dresser were examined at his request, these were also condemned and destroyed.

INFECTIOUS DISEASE AND DISINFECTION.—Thirty-six cases of infectious disease have been reported during the year. Five cases of enteric fever, and seven cases of scarlet fever were removed to the Infectious Diseases Hospital at Bury; your Inspector assisting in the removal of most of them.

Inspections and enquiries were made at the houses affected, and instructions given as to use of disinfectants, &c.

In all cases of infectious disease, disinfectants are supplied free, and in cases of enteric fever, pails are provided, and the contents of such are removed and buried by your own men. Upon recovery of the patients, the rooms are sprayed, and fumigated with Formaldehyde.

During the year Day Schools have been disinfected on 14 occasions, on account of outbreaks of infectious disease.

HOUSE TO HOUSE INSPECTION.—This has been carried out in various parts of the district.

As is usual after such inspection a fair amount of lime-washing was done. It was found necessary, however, to take legal proceedings against two occupiers for non-compliance with notice to cleanse, &c., such cleansing being rendered necessary entirely through the neglect of the occupiers.

The premises were in a most insanitary condition. Defendants were ordered by the Magistrates to abate nuisance and pay costs.

DRAINAGE AND SEWERAGE.—During the year new sewers have been laid in the following places :—Peel Brow, Back Manchester Road, Springwood Street, Back Queen Street, Back Regent Street, Dundee Lane to behind Shoulder of Mutton Inn, Holcombe, and at Rowlan's Road, Summerseat.

Altogether a length of about 1100 yards have been laid ; and the owners of property abutting thereon have almost in every instance adopted the water carriage system in substitution of middens and cesspools. No less than 37 closets have been so changed.

A great change has taken place in the sanitary condition of Bye Road, Shuttleworth, and adjoining houses in Whalley Road. Previous to the construction of the Main Sewer in Bye Road last year, there was no proper outlet for the sewage from the houses, whilst the drains were constructed chiefly of rubble. This condition is now altered. At least 60 houses have been re-drained, and wherever possible the waste water has been utilised for flushing closets. The sanitary accommodation has also undergone a great change; where at the commencement of the year there were 21 closets, there are now 51 for the same number of houses.

There are still several houses which are not connected, but the work will be done at an early date.

The inspection of new drains is strictly carried out, and the smoke test has been applied both to old and new drains.

In conclusion I have to thank you for your help and confidence.

I am, Gentlemen, your obedient Servant,

ALFRED FORT, A.R. San. I.

Inspector of Nuisances.

